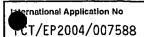
INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05G9/047 B25J17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

	C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of t	Relevant to claim No.						
х	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) -& JP 11 058286 A (MURATA MACH 2 March 1999 (1999-03-02) abstract; figures 1-3	1-3,8,21						
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χ Fur	I lher documents are listed in the continuation of box C.	Patent family members are listed	in annex.					
"A" docum	ategories of cited documents: ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or its cited to establish the publication date of another on or other special reason (as specified)	or priority date and not in conflict will cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the de "Y" document of particular relevance; the cannot be considered to involve an invention in the description of particular relevance.	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family 					
L docum which citatio *O* docum other *P* docum	ment referring to an oral disclosure, use, exhibition or means lent published prior to the international filing date but than the priority date claimed	ments, such combination being obvious in the art.	us to a person skilled					
L docum which citatio *O* docum other *P* docum later t	nent referring to an oral disclosure, use, exhibition or means tendent published prior to the international filing date but	ments, such combination being obvious in the art.	us to a person skilled					
L docum which citatio *O* docum other *P* docum later t	nent referring to an oral disclosure, use, exhibition or means tent published prior to the international filing date but the the priority date claimed	ments, such combination being obvious in the art. *&* document member of the same patent	us to a person skilled					

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